



Revisions to T.D.O.T. Design Division Standard CADD Files

December 2016 Update

Dgnlib.exe... (129 KB)

The New Title Sheet¹

The new Title Sheet is a seed file now and not a cell file. It is an all in one sheet for the life of the project. There is no need to have a different Title Sheets for different phases of the project. This new Title Sheet will standardize where everything is located on the sheet and how they look. This new sheet has new levels just for it. The new levels are from 400 to 460. The sheet has specific levels for Preliminary, Right-of-Way and Construction phases as well as TDOT designed and Consultant designed projects. For the different phases of the project you turn off the levels you do not need, or turn on the levels you do need. For projects that need more than one Traffic Data block, there are 3 blocks on different levels embedded in the sheet. Other blocks embedded are; Design Exception, Road To Be Closed, No Exclusions and Exclusions. Each block has its own level. See figure Level 1, for levels as displayed in MicroStation.

New Sheet Levels:

Level Sections	Level Name	Level No.
Title Sheet Proper	IDENTIFICATION BLOCK – TDOT (in the lower left corner).....	400
	IDENTIFICATION BLOCK – CONSULTANT (in the lower left corner).....	401
	Title Sheet – Text	402
	Title Sheet – LINE WORK	403
The State Map	MAP	404
	MAP – TEXT	405
Type of Sheet & Index	PHASE PRELIMINARY	410
	PHASE RIGHT-OF WAY.....	411
	PHASE CONSTRUCTION	412
Project Length (under county map)	Project Length – ROW	420
	Project Length – Construction – Riding Surface	421
	Project Length – Construction – Non Riding Surface.....	422
	Project Length – Resurfacing – Riding Surface	423
	Project Length – Resurfacing – Non Riding Surface.....	424
	Project Length – Resurfacing – Only	425
Begin & End Project	Project Description – Preliminary.....	430
	Project Description – Right-Of-Way.....	431
	Project Description – Construction	432
Revisions	Revision – Text – ROW.....	440
	Revision – Text – Construction.....	441
Blocks	Traffic Data Block No1 – Survey Data	450
	Traffic Data Block No2	451



Traffic Data Block No3	452
DESIGN EXCEPTION BLOCK	453
ROAD TO BE CLOSED BLOCK	454
NO EXCLUSIONS BLOCK	455
EXCLUSIONS BLOCK	456
County Map	
County Map	460

¹ New filters are in the works for the new Title sheet to filter both TDOT and Consultants Title sheet and to also filter between Preliminary, Right-of-Way, Construction and Resurfacing.

2ndSheets.exe... (833 KB)

* Be sure to go to 'C:\Users\Public\Office Standards\TDOT 2nd Sheets' and delete old files.

The following word documents have been revised to reflect [IB 16-15](#):

- Standard Structure Drawings 121216.dotx
- Standard Traffic Operations Drawings 121216.dotx
- Standard Traffic Operations and Structure Drawings 121216.dotx
- Special Notes 121216.dotx
- Sheet 3 ROW Notes Utility Notes Utility Owners 121216.dotx
- General Notes 121216.dotx
- EPSC Notes 121216.dotx
- Drop Off Notes Traffic Control 121216.dotx
- Standard Roadway Drawings 121216.dotx
- Index and Standard Drawings 121216.dotx

The following word documents are new:

- PRELIMINARY INDEX TITLE SHEET 121216.dotx
- RIGHT OF WAY INDEX TITLE SHEET 121216.dotx

EnglishTab.exe... (854 KB)

The following excel documents are new and added to the TDOT English Tab Quantities:

- OutFalls.xltx
- DRAINAGE DATA TAB BLOCKS 121216.xltx



EngCells.exe... (3995 KB)

The following cells are **new** for MicroStation **Title Sheet Cells** Dialog box:

<u>DESCRIPTION</u>	<u>CELL NAME</u>
• DESIGN TRAFFIC DATA 2	BLKDES2
• DESIGN TRAFFIC DATA 3	BLKDES3
• Project Lengths w/Lane Mile Resurfaced	PROTLML1
• Project Lengths w/Lane Mile Resurfaced/note	PROTLML2
• Project Length	PROLNC1
• Project Length w/note	PROLNC2
• Project Length ROW	PROLROW
• Design Exception Block	DEXCEP
• No Exclusions Block	NOEXCBK
• Identification Block TDOT	TSIDFTDOT
• Identification Block CONSULTANT	TSIDFCON

The following cells were **revised**:

• DESIGN TRAFFIC DATA	BLKDES
• Project Length w/Lane Mile Resurfaced	PROTLMR
• Road To Be Closed During Const.	RCDC
• Exclusions Block	EXCBK
• English Scale Bar	SBAR

The following cells were **voided**:

- Project Lengths w/Lane Mile Resurfaced²
- Project Length³
- Equations Header
- Equations Liner
- Equations Total
- Index
- No. Excl./ No. Equa.

² 'Project Lengths w/Lane Mile Resurfaced' was split into two new cells: PROTLML1 and PROTLML2.

³ 'Project Length' was split into two new cells: PROLNC1 and PROLNC2.

The following cells are **new** for MicroStation **Sheet Title Cells** Dialog box:

<u>DESCRIPTION</u>	<u>CELL NAME</u>
• RETAINING WALL REQUIREMENTS	STB104
• RETAINING WALL LAYOUT	STB105
• RETAINING WALL DETAILS	STB106

The following cells were **voided**:

- STAGE I CLEARING & GRUBBING
- STAGE II WITH EXISTING CONTOURS
- STAGE III WITH PROPOSED CONTOURS
- STAGE IV WITH FINAL CONTOURS



The following cells are **new** for MicroStation **Drainage Profile & Culvert XSection Cells** Dialog box:

DESCRIPTION	CELL NAME
• Drainage Data for Drainage Map ⁴	DRCLV3
• Box Tabulation Culvert Section ⁴	DRBST
• Pipe Culvert Data (No Quantity) ALTERNATE (Standard Text Cell)	DRPROPIPE A
• Pipe Culvert Data (Quantity) ALTERNATE (Standard Text Cell)	DRPRO A
• Pipe Culvert XS Drainage Data ALTERNATE (Standard Text Cell)	DRCLV1 A
• Box Culvert or BR XS Drainage Data ALTERNATE (Standard Text Cell)	DRCLV2 A
• Drainage Data for Drainage Map ALTERNATE (Standard Text Cell)	DRCLV3 A

The following cells were **revised**:

• Pipe Culvert Data (No Quantity) ⁴	DRPROPIPE
• Pipe Culvert Data (Quantity) ⁴	DRPRO
• Pipe Culvert XS Drainage Data ⁴	DRCLV1
• Box Culvert or BR XS Drainage Data ⁴	DRCLV2

⁴ To use these Cells that are Excel Files, first you need to place the file, then you must open the “Drop Element” tool box and check Complex and Shared Cells only then snap to the Cell you just placed to Drop It. Then you can edit the “Excel File” to fill in your data by using the element selection tool.

The following cells are **new** for MicroStation **Sheet Cells** Dialog box:

DESCRIPTION	CELL NAME
• TITLE SHEET	TITLE
• BOX CULV. X SECTION	PROCUL

The following cells were **revised**:

• Plan	BDR2ND
• Plan w/Coordinate Note	BDRSHT
• Plan/Profile	PROSHT
• Profile	MGRID
• Culvert Section	GRDSHT
• Plan w/Coordinate Note	BDRSHT
• Sign Schedule 1	SS1
• Sign Schedule 2	SS2
• Sign Structure	SSHEET
• Geotechnical	BDRSG
• Standard Drawing	STDBDR

The following cells were **voided**:

- TDOT Title Sheet
- Consultant Title Sheet



Seed.exe... (2237 KB)

* Be sure to go to '<C:\Users\Public\MicroStation Standards\seed>' and delete old files.

Revised seed files to reflect changes from [IB 16-15](#):

- Drop Off Notes Traffic Control 121216.dgn
- EPSC Notes 121216.dgn
- General Notes 121216.dgn
- Index and Standard Drawings 121216.dgn
- Sheet 3 ROW Notes Utility Notes Utility Owners 121216.dgn
- Special Notes 121216.dgn
- Standard Roadway Drawings 121216.dgn
- Standard Structure Drawings 121216.dgn
- Standard Traffic Operations and Structure Drawings 121216.dgn
- Standard Traffic Operations Drawings 121216.dgn

The following seed files are new:

- Seed Box Culvert Section 121216.dgn
- Seed Title Sheet 121216.dgn

VBA.exe... (7477 KB)

Changes have been made to reflect the changes made for the Title Sheet Cells, Drainage Profile & Culvert XSection Cells, Sheet Title Cells, Sheet Cells & Place Plan Phase Stamps.

- **VBA - Title Sheet Cells**
 - Revised 'DESIGN TRAFFIC DATA', 'Project Length w/Lane Mile Resurfaced', 'Road To Be Closed During Const.', 'Exclusions Block' & 'English Scale Bar'.
 - Added new title sheet cells: 'DESIGN TRAFFIC DATA2', 'DESIGN TRAFFIC DATA3', 'Project Lengths w/Lane Mile Resurfaced', 'Project Lengths w/Lane Mile Resurfaced w/note', 'Project Length', 'Project Length w/note', 'Project Length ROW', 'Design Exception Block', 'No Exclusions Block', 'Identification Block TDOT' & 'Identification Block CONSULTANT'.
 - Voided title sheet cells: 'Project Lengths w/Lane Mile Resurfaced', 'Project Length', 'Equations Header', 'Equations Liner', 'Equations Total', 'Index' & 'No. Excl./ No. Equa.'.
- **VBA - Drainage Profile & Culvert XSection Cells**
 - Added 'Drainage Data for Drainage Map', 'Box Tabulation Culvert Section', 'Pipe Culvert Data Alternate (No Quantity)', 'Pipe Culvert Data Alternate (Quantity)', 'Pipe Culvert XS Drainage Data Alternate', 'Box Culvert or BR XS Drainage Data Alternate' & 'Drainage Data for Drainage Map Alternate'.
 - Revised 'Pipe Culvert Data (No Quantity)', 'Pipe Culvert Data (Quantity)', 'Pipe Culvert XS Drainage Data' & 'Box Culvert or BR XS Drainage Data'



- **VBA - Sheet Title Cells**
 - Added 'RETAINING WALL REQUIREMENTS', 'RETAINING WALL LAYOUT' & 'RETAINING WALL DETAILS' to the Sheet Titles list.
 - Deleted 'STAGE I CLEARING & GRUBBING', 'STAGE II WITH EXISTING CONTOURS', 'STAGE III WITH PROPOSED CONTOURS' & 'STAGE IV WITH FINAL CONTOURS'
- **VBA - Sheet Cells**
 - Added two new sheet cells: "NEW" 'Title Sheet' & 'Box Culv. X Section'.
 - Removed two sheet cells: 'TDOT Title Sheet' & 'Consultant Title Sheet'.
 - Revised 11 sheet cells.
- **VBA - Place Plan Phase Stamps**
 - Added and modified X/Y coordinates for the placement of Plan Phase Stamps.

Instructional Bulletins...

Added:

- [IB 16-12](#) Regarding Updated Section V in the Design Guidelines (incorporated IB 16-03 & 16-09) and incorporated Traffic Operations Memorandum (TOM) 1601, regarding revised, voided and / or new Standard Drawings.
- [IB 16-14](#) Regarding Note to Designers in Section 2-300.05 - R.O.W. Notes on Plans Regarding Driveways and Section 2-300.10.I - Guidelines for Construction and Resurfacing of Public Road Intersections and Driveways on Highway Projects - General
- [IB 16-15](#) Regarding Revised, New and Voided Standard Drawings and Revised Chapter 5 of the Roadway Design Guidelines
- [IB 16-16](#) Regarding Updated Sections 4-307.00 COMPUTATIONS FOR BITUMINOUS PLANT MIX BASE (HOT MIX), 4-403.00 COMPUTATIONS OF TACK COAT, 4-411.00 COMPUTATIONS FOR ASPHALTIC CONCRETE SURFACE (HOT MIX)

Deleted:

- IB 16-09
- IB 16-10
- IB 16-11
- IB 16-13